



013104

04772 U.S. PTO

PTO/SB/05 (08-03)

Approved for use through 07/31/2006. OMB 0651-0032

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**UTILITY
PATENT APPLICATION
TRANSMITTAL**

(Only for new nonprovisional applications under 37 CFR 1.53(b))

Attorney Docket No.	UAF-03-14
First Inventor	YANG, YIONG
Title	MITOGEN-ACTIVATED PROTEIN
Express Mail Label No.	ET 820 390 925 US

22390 U.S. PTO

10/768886



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APPLICATION ELEMENTS

See MPEP chapter 600 concerning utility patent application contents.

ADDRESS TO:Mail Stop Patent Application
Commissioner for Patents
P.O. Box 1450
Alexandria VA 22313-1450

1. ☒ Fee Transmittal Form (e.g., PTO/SB/17)
(Submit an original and a duplicate for fee processing)
2. ☒ Applicant claims small entity status.
See 37 CFR 1.27.
3. ☒ Specification [Total Pages 49]
(preferred arrangement set forth below)
 - Descriptive title of the invention
 - Cross Reference to Related Applications
 - Statement Regarding Fed sponsored R & D
 - Reference to sequence listing, a table, or a computer program listing appendix
 - Background of the Invention
 - Brief Summary of the Invention
 - Brief Description of the Drawings (if filed)
 - Detailed Description
 - Claim(s)
 - Abstract of the Disclosure
4. ☐ Drawing(s) (35 U.S.C. 113) [Total Sheets 14]
5. Oath or Declaration [Total Sheets 2]
 - a. ☒ Newly executed (original or copy)
 - b. ☐ Copy from a prior application (37 CFR 1.63(d))
(for continuation/divisional with Box 18 completed)
 - i. ☐ **DELETION OF INVENTOR(S)**
Signed statement attached deleting inventor(s) name in the prior application, see 37 CFR 1.63(d)(2) and 1.33(b).
6. ☐ Application Data Sheet. See 37 CFR 1.76

7. ☐ CD-ROM or CD-R in duplicate, large table or Computer Program (Appendix)
8. Nucleotide and/or Amino Acid Sequence Submission (if applicable, all necessary)
 - a. ☒ Computer Readable Form (CRF)

b. Specification Sequence Listing on:

- i. ☐ CD-ROM or CD-R (2 copies); or
- ii. ☒ Paper

- c.
- ☐
- Statements verifying identity of above copies

ACCOMPANYING APPLICATION PARTS

9. ☐ Assignment Papers (cover sheet & document(s))
10. ☐ 37 CFR 3.73(b) Statement ☒ Power of Attorney
(when there is an assignee)
11. ☐ English Translation Document (if applicable)
12. ☐ Information Disclosure Statement (IDS)/PTO-1449 ☐ Copies of IDS Citations
13. ☐ Preliminary Amendment
14. ☒ Return Receipt Postcard (MPEP 503)
(Should be specifically itemized)
15. ☐ Certified Copy of Priority Document(s)
(if foreign priority is claimed)
16. ☐ Nonpublication Request under 35 U.S.C. 122 (b)(2)(B)(i). Applicant must attach form PTO/SB/35 or its equivalent.
17. ☐ Other:

18. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in the first sentence of the specification following the title, or in an Application Data Sheet under 37 CFR 1.76:

☐ Continuation ☐ Divisional ☐ Continuation-in-part (CIP) of prior application No.:

Prior application information:

Examiner:

Art Unit:

For CONTINUATION OF DIVISIONAL APPS only; The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.

19. CORRESPONDENCE ADDRESS☐ Customer Number: OR ☐ Correspondence address below

Name	ANGELA FOSTER, PH.D., ESQ.		
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Name (Print/Type)	ANGELA FOSTER	Registration No. (Attorney/Agent)	48,494
Signature		Date	JANUARY 31, 2004

This collection of information is required by 37 CFR 1.53(b). The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Mail Stop Patent Application, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

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Express Mail No.: ET 820 390 925 US

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Application of: Yang et al.

Serial No.: To be Assign

Art Unit: To be Assign .

Filed: January 31, 2004

Examiner: To be Assign.

For: Mitogen-Activated Protein Kinase
And Method of Use to Enhance Biotic
And Abiotic Stress Tolerance in Plants

Attorney Docket No.: UAF-03-14

EXPRESS MAIL CERTIFICATE

Mail Stop New Applications
Commissioner for Patents
P.O. Box 1450
Alexandria, Virginia 22313-1450

Sir:

I certify that the following documents identified below are being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 C.F.R. §1.10 on the date indicated above and are addressed to the Commissioner for Patents, Attn: Mail Stop New Applications, P.O. Box 1450, Alexandria, Virginia, 22313-1450:

Type of Document(s):	Specification (49 pages)	Sequence Listing
	Power of Attorney (unexecuted)	Fee Sheet
	Return Postcard	Transmittal Sheet
	Declaration (unexecuted)	Drawings (14 Figures)
	Sequence (Computer Disk)	

Date:

Jan 31, 2004

Respectfully submitted,

Angela Foster
Angela Foster, Ph.D. 48,494
(Reg. No.)

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Express Mail No.: **ET 820 390 925 US**

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Application of: Yang et al.

Serial No.: To be Assign

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Filed: January 31, 2004

Examiner: To be Assign

For: Mitogen-Activated Protein Kinase
And Method of Use to Enhance Biotic
And Abiotic Stress Tolerance in Plants

Attorney Docket No.: UAF-03-14

FEE TRANSMITTAL SHEET

Mail Stop New Applications
Commissioner for Patents
P.O. Box 1450
Alexandria, Virginia 22313-1450

Sir:

The above-identified application is being filed as an application with the United States Patent. The filing fee is calculated below as **\$1925.00**. Please charge the required fee to the University of Arkansas Deposit Account No. 50-1573. A copy of this sheet is enclosed for accounting purposes.

Claims	Filed	Extra	Rate	Calculation
Total Claims	88 - 20	68	x \$18 (\$9) =	612
Independent Claims	22 - 3	19	x \$84 (\$42) =	798
Multiple Dependent	18 - 0	18	+\$140 =	140
Basic Fee (small entity)				375
Total				1925

Date:

Jan 31, 2004

Respectfully submitted,

Angela Foster
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